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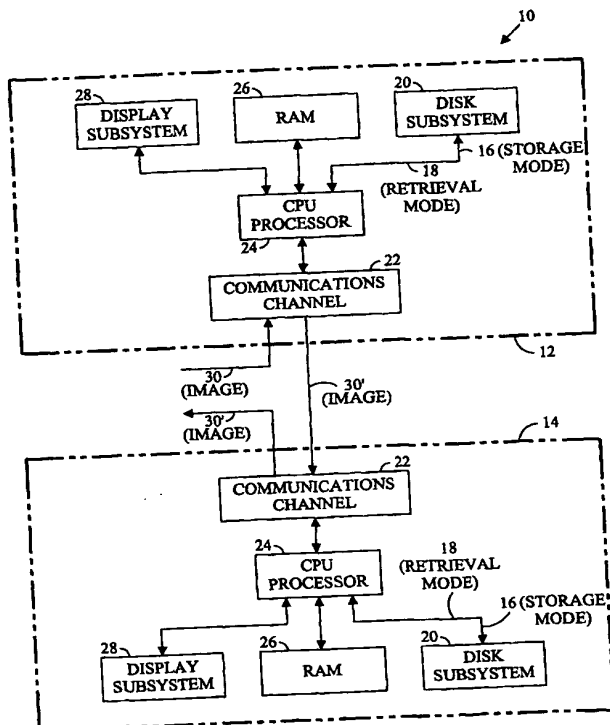
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PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
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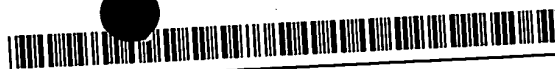
[Continued on next page]

(54) Title: **IMAGE COMPRESSION USING A COLOR VISUAL MODEL**

(57) Abstract: A system for coding images, and  
more particularly, to a system for compressing  
images to a reduced number of bits by employ-  
ing a Discrete Cosine Transform (DCT) in com-  
bination with a visual model.



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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/0164C

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G06K 9/36, 9/38

US CL : 382/250,251

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 382/166, 232, 244-248, 250-253; 348/395.1, 403.1-408.1; 358/426.01-426.16

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
Please See Continuation Sheet

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,426,512 A (WATSON) 20 June 1995 (20.06.1995), column 3-4, 6-9	1-10,12-25
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Y		11
Y	US 6,349,151 B1 (JONES et al) 19 February 2002 (19.02.2002), abstract.	3-7,9
A	US 4,780,761 A (DALY et al) 25 October 1988 (25.10.1988).	1-25
A	FENG et al. Halftone Quality Evaluation Using Color Visual Models Proc. of PICS, April 2002, abstract.	1-25

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&"

document member of the same patent family

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# INTERNATIONAL SEARCH REPORT

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PCT/US04/01640

Continuation of B. FIELDS SEARCHED Item 3:  
EAST, IEEE, Inventorship, Google  
search terms: quantization, Q-tables, model, DCT